



# Summer Science Experience



## ROCKET BLAST OFF

Gr 2-6

July 6 - 10, 2009

9:00 - 12:00 pm

Fee \$126

Class # YS4321

Location: Cottage Grove Elem

This action packed week focuses solely on rockets and rocket flight. Learn about model rocket design, building, aerodynamics, propulsion, launching, safety, recovery, and repair. Take part in daily launches. Take home your own rockets and an abundance of model rocket knowledge. This camp is a blast for boys and girls alike.

## SCIENCE KALEIDOSCOPE

Gr 1-4

July 13 - 17, 2009

9:00 - 12:00 pm

Fee \$120

Class # YS4316

Location: Cottage Grove Jr. High

Have fun learning about birds, animation, chemistry and engineering. Help build a giant geodesic dome in the classroom. Mix different chemicals to create sidewalk chalk, bath fizzers, a chromatography T-shirt, tootsie rolls, and ice cream. Make a Crazy Kaleidoscope and Thaumatrope to take home.

## RED HOT ROBOTS

Gr 4-8

July 13 - 17, 2009

9:00 - 12:00 pm

Fee \$168

Class # YS4318

Location: Middleton Elem

Join us for a week of fun and learn all about the science of robotics. Discover the science behind gears and how robots use sensors to explore the world around them. Learn about artificial intelligence and build your very own remote controlled OWI Robotic Arm Edge.

## FORENSIC LAB-Solving Mysteries

Gr 2-6

July 20 - 24, 2009

9:00 - 12:00 pm

Fee \$120

Class # YS4319

Location: Cottage Grove Elem

Use forensic science to help solve some mysteries. Find and collect evidence with your own Inspektikit. Reconstruct a mystery scene and the face of the suspect with your Whodunit take home kit. Examine footprints and use your own Fingerprint Finder to identify fingerprints left at the scene. Make a model cell and learn how DNA is used to solve mysteries.

## ROBOTS , ROCKETS FOR GIRLS

Gr 2-6

July 20 - 24, 2009

9:00 - 12:00 pm

Fee \$150

Class # YS4317

Location: Red Rock Elem

Calling all girls! Join other girls exploring robots and rockets with hands-on activities. Have fun experimenting with five different robots with various sensor and transportation systems. Build your own OWI Rokit robot to take home and learn to program the Lego Roverbot your team builds for the obstacle course challenge. Build your own model rockets to take home and take part in rocket launches. Learn about women pioneers in these fields.

**SCHOOLHOUSE CHESS (Beginner/Intermediate)**

July 6 - 10, 2009

Class # YS4323

9:00 - 12:00 pm

Location: Cottage Grove Jr. High

Gr 1-6

Fee \$120

Chess is fun, Schoolhouse Chess camp is super fun. Schoolhouse Chess brings the game of chess to life using creative personalities. You will be captivated by our imaginative characters and learn chess with ease. Play a game with our gigantic chess set – the biggest you have ever seen! The camp covers all the rules, strategies and tactics and is appropriate for beginners through intermediate players.

**SCHOOLHOUSE CHESS (Intermediate/Advanced)**

August 3 - 7, 2009

Class # YS4324

9:00 - 12:00 pm

Location: Middleton Elem

Gr 2-6

Fee \$120

This camp will teach you or help refine your chess tactics & strategies to make you a winner! Intermediate students will learn the higher concepts of chess notation, "en passant", forks, pins, and swarming. Advanced players will learn principles of openings, mid-game strategies, and how to play the endgame. Registrants must have taken the beginner course or have equivalent chess skills.

**FLIGHT ACADEMY**

July 27 - 31, 2009

Class # YS4320

9:00 - 12:00 pm

Location: Liberty Ridge Elem

Gr 2-6

Fee \$120

As a flight cadet in training, you will discover how airplanes fly. Test your airplane's performance in a wind tunnel. Build your own kite, model rocket and rubberband powered stunt plane. Paint your Flight Academy t-shirt, construct an altitude tracker, ride the air on a Hovercraft and test your flight skills as you pilot a blimp.

**SECRET AGENT**

August 3 - 7, 2009

Class # YS4322

9:00 - 12:00 pm

Location: Cottage Grove Elem

Gr 2-6

Fee \$120

Sharpen your under-cover skills; use spy technology to listen in on secret conversations. Take home your Spyglasses. Send and retrieve top secret messages with your own Code Kit. Your fingerprinting techniques will help solve the safe robbery case. Use a laser beam to identify voices. Build a secret safe and attempt to defeat several security systems.

**Ways to Register**

Online: [www.cecool.com](http://www.cecool.com)

By Fax: 651-458-6620

By Mail or In Person: 7:30 am to 5:00 pm, M-F

Community Education, District Program Center, 8400 E. Point Douglas Road S.,

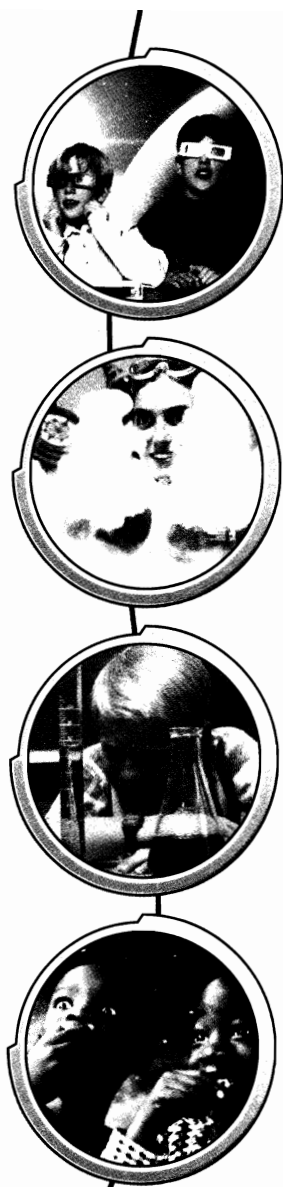
Cottage Grove, MN 55016 (Checks payable to District 833 Community Education)

Need more information? Call us at 651-458-6600



Community Education  
South Washington County Schools

systems.



Name \_\_\_\_\_ Grade \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_  
Home Phone \_\_\_\_\_ Birth Date \_\_\_\_\_  
Parent/Guardian \_\_\_\_\_ Work # \_\_\_\_\_ Cell # \_\_\_\_\_  
Parent/Guardian \_\_\_\_\_ Work # \_\_\_\_\_ Cell # \_\_\_\_\_  
Course Name: \_\_\_\_\_ Class Number: \_\_\_\_\_



Community Education  
South Washington County Schools



Fee: \$ \_\_\_\_\_ Make checks payable to: **District 833 Community Education**  
Person authorized to pick up child other than parent \_\_\_\_\_  
Special needs or health concerns \_\_\_\_\_  
Charge my: \_\_\_\_\_ MasterCard \_\_\_\_\_ VISA \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_  
Exp. Date: \_\_\_\_\_ Authorized signature \_\_\_\_\_

Photographs may be taken of your child for future publications.  
*If any youth program would cause financial hardship, we would like to help. Financial assistance is available to students living within the boundaries of District 833. Contact Community Education at 458-6600 for information*

**Voluntary Questions: Check all that apply.** What is the ethnic/racial group of the registrant?  
Collecting this information helps us to provide programs and services that meet the needs of our entire community.

<b>Ethnic Category</b>	<b>Racial Category</b>	
<input type="checkbox"/> Hispanic or Latino	<input type="checkbox"/> Black or African American	<input type="checkbox"/> Islander
<input type="checkbox"/> Not Hispanic or Latino	<input type="checkbox"/> American Indian / Alaska Native	<input type="checkbox"/> White
	<input type="checkbox"/> Asian	<input type="checkbox"/> Other or unknown



**Sparking  
Imaginative  
Learning**

[www.madscience.org](http://www.madscience.org)